BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work: Detailed Estimate for the Work of Providing Cement Concrete Road and Drains at Srinivasapura Colony in Ward No. 05, Byatarayanapura Sub Division.

							Estimate Cost Rs.	1200000.00	
Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-1.1: Earth work in surface excavation in **ordinary soil** for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, Specification No KBS 2.1(a) / 2.3.1, **No. 5/ Item No. 2.1/ PWD SR 2012-13**	Cum							
	For Concrete Road Ananadappa's House Road		1	70.00	2.50	0.20	35.00		
	Poojammas House Road		1	20.00	2.50	0.20	10.00		
	Sampegappa's House and Cross		1	30.00	2.50	0.20	15.00		
	Puttanna' house Road		1	15.00	5.60	0.20	16.80		
							76.80	112.32	**8626.00**
	Basic Rate	104.00							
	Area Weightage @ 8%	8.32							
	Total	**112.32**							
2	KSRB 2-2.1 : Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, **in ordinary soil** not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, **No. 5/ Item No. 2.3/ PWD SR 2012-13**	Cum							
	For Concrete Drains Poojapa's House Road		1	70.00	0.90	0.90	56.70		
			1	20.00	0.90	0.90	16.20		
			1	30.00	0.90	0.90	24.30		
			2	15.00	0.75	0.90	20.25		
	For Pipeline		1	180.00	0.45	0.75	60.75		
							178.20	135.00	**24057.00**
	Basic Rate	125.00							
	Area Weightage @ 8%	10.00							
	Total	**135.00**							
3	KSRB-4-1.3 : Providing and laying in position **plain cement concrete of mix M 7.5** withOPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No.	Cum							
	For Concrete Roads		1	70.00	2.50	0.15	26.25		
			1	20.00	2.50	0.15	7.50		
			1	30.00	2.50	0.15	11.25		
			1	15.00	5.60	0.15	12.60		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	For Conrete Drain		1	70.00	0.90	0.15	9.45		
			1	20.00	0.90	0.15	2.70		
			1	30.00	0.90	0.15	4.05		
			2	15.00	0.75	0.15	3.38		
							77.18	3884.76	**299806.00**
	Basic Rate	3597.00							
	Area Weightage @ 8%	287.76							
	Total	**3884.76**							
4	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications.Specification NO. KBS 4.6.2 Page No. 16/ Item No. 4.28/ PWD SR 2012-13	Sqm							
	For Drain Work		2x2	70.00		0.60	168.00		
			2x2	20.00		0.60	48.00		
			2x2	30.00		0.60	72.00		
			2x4	15.00		0.60	72.00		
	For Road Work		2	70.00		0.10	14.00		
			2	20.00		0.10	4.00		
			2	30.00		0.10	6.00		
			2	15.00		0.10	3.00		
							387.00	201.96	**78159.00**
	Basic Rate	187.00							
	Area Weightage @ 8%	14.96							
	Total	**201.96**							
5	KSRB 4.2.2 : Providing and laying in position Reinforced cement concrete of mix M20 withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1,4.6, **No. KBS 4.1,4.6, No. 13/ Item No. 4.11/ PWD SR 2012-13**	Cum							
	For Concrete Drain Bottom		1	70.00	0.90	0.10	6.30		
			1	20.00	0.90	0.10	1.80		
			1	30.00	0.90	0.10	2.70		
			2	15.00	0.75	0.10	2.25		
	Sides Walls		2	70.00	0.15	0.60	12.60		
			2	20.00	0.15	0.60	3.60		
			2	30.00	0.15	0.60	5.40		
			4	15.00	0.15	0.60	5.40		
	Covering Slab		1	70.00	0.90	0.10	6.30		
			1	20.00	0.90	0.10	1.80		
			1	30.00	0.90	0.10	2.70		
			2	15.00	0.75	0.10	2.25		
							53.10	5239.08	**278195.00**
	Basic Rate	4851.00							
	Area Weightage @ 8%	388.08							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Total	**5239.08**							
6	KSRB 4.9.2:providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 Page No. 19/ Item No. 4.46/ PWD SR 2012-13	Qtl							
	62 Kg / Cum		0.62	53.10			**32.92**	5838.48	**192214.00**
	Basic Rate	5406.00							
	Area Weightage @ 8%	432.48							
	Total	**5838.48**							
7	KSRRB M2600-3: (ii) Providing & fixing 20 mm thick compressible fibre board in expansion joint complete as per drawing & technical specification complete as per specifications, MORTH specification No. 2605, No. 248/ Item No. 31.3 PWD SR 2012-13	M							
			7	2.50			17.50		
			2	2.50			5.00		
			3	2.50			7.50		
			2	5.60			11.20		
							41.20	132.84	**5473.00**
	Basic Rate	123.00							
	Area Weightage @ 8%	9.84							
	Total	**132.84**							
8	Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC)for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Ready mixed Cement concrete M-20 for raft foundation, column footing, main and secondary beams. Page No. 19/ Item No. 4.48.1/ PWD SR 2012-13	Cum							
	For Road Work		1	70.00	2.50	0.10	17.50		
			1	20.00	2.50	0.10	5.00		
			1	30.00	2.50	0.10	7.50		
			1	15.00	5.60	0.10	8.40		
							38.40	5639.76	**216567.00**
	Basic Rate	5222.00							
	Area Weightage @ 8%	417.76							
	Total	**5639.76**							
9	Vaccum De- writing with vaccum pump and suction mat and compaction with skin flater clubbed with floatiog disc including cost of generator, HOM of machinery Sereed Vibratory Power Floaterblade and diisc etc. with all lead and lift No. 187/ Item No. 22.7/ PWD SR 2012-13.	Sqm							
			1	70.00	2.50		175.00		
			1	20.00	2.50		50.00		
			1	30.00	2.50		75.00		
			1	15.00	5.60		84.00		
							384.00	86.40	**33178.00**

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Basic Rate	80.00							
	Area Weightage @ 8%	6.40							
	Total	**86.40**							
10	Providing and instalation at site of works P.V.C.Pipes including cost of pipes and specials and incluidng lowring into trenches, laying true to line, level and perfect linking at joints, leak proof including jointing encasing the pipe alround to a depth Not less than 15cm with grave or selected earth avalabile from the execavation Etc., **Page No.12 item No.3.4.2 b PRED SR 2010-11.**	Rmtr							
	75 mm dia 6 KSC PVC pipe		1	180.00			**180.00**	112.00	**20160.00**
11	KSRB 2-4 : Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50mm, and lift upto 1.5m, including cost of all labour complete as per specifications, **No. 6/ Item No. 2.11/ PWD SR 2012-13**	Cum							
	For Refilling of Pipeline			Qty. Vide Item No. 2			**60.75**	53.00	**3220.00**
	Basic Rate	50.00							
	Area Weightage @ 6%	3.00							
	Total	**53.00**							
12	KSRB 13.6.3-6 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) **50mm** nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No. KBS 13.2.6/13.3 **(P.97/I.13.37 PWD SR - 2012-13)**	Each							
			15				**15**	1582.58	**23739.00**
	Basic Rate	1493.00							
	Area Weightage @ 6%	89.58							
	Total	**1582.58**							
13	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123,	Cum							
				Qty. Vide Item No. 1			**255.00**	62.20	**15861.00**
	Basic Rate Lead Charges Upto 2.00 Kms	5.12							
	PWD SR 2010-11 (P.118/I.17.1) For loading and unloading	62.20							
	Total	**67.32**							
14	Miscesallaneous Charges	L/S							**745.00**
								Total	**1200000.00**

(Rupees Twelve Lakhs Only)

CERTIFICATE :

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2012-13
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Sub Division

Joint Commissioner
(Yelahanka Zone)
BBMP. Bengaluru-92.